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|-------------------------------|------------------------|---------------------|--|
| <b>Notice of Allowability</b> | <b>Application No.</b> | <b>Applicant(s)</b> |  |
|                               | 10/660,190             | GROEN, ERIC D.      |  |
|                               | Examiner<br>Khanh Tran | Art Unit<br>2611    |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTO-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1.  This communication is responsive to the Amendment After Final filed on 07/13/2007.
2.  The allowed claim(s) is/are 1-5,7,9-16 and 19-23, which have been renumbered as set forth in the Office action.
3.  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a)  All b)  Some\* c)  None of the:
    1.  Certified copies of the priority documents have been received.
    2.  Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3.  Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.  
**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4.  A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5.  CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
  - (a)  including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
    - 1)  hereto or 2)  to Paper No./Mail Date \_\_\_\_\_.
  - (b)  including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6.  DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

#### Attachment(s)

1.  Notice of References Cited (PTO-892)
2.  Notice of Draftsperson's Patent Drawing Review (PTO-948)
3.  Information Disclosure Statements (PTO/SB/08),  
Paper No./Mail Date \_\_\_\_\_
4.  Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5.  Notice of Informal Patent Application
6.  Interview Summary (PTO-413),  
Paper No./Mail Date \_\_\_\_\_
7.  Examiner's Amendment/Comment
8.  Examiner's Statement of Reasons for Allowance
9.  Other \_\_\_\_\_.

*Khanh C. Tran*  
KHANH C. TRAN  
PRIMARY EXAMINER

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1. The Amendment After Final filed on 07/13/2007 has been entered. Claims 1-5, 7, 9-16 and 19-23 are pending in this Office action.
  
2. Claims 10-14, 7, 9, 15-16 and 19-23 have been renumbered as claims 6-19, respectively.

#### **EXAMINER'S AMENDMENT**

3. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Michael R. Hardaway, Reg. No. 52,922 on 08/01/2007.

Regarding claim 9, in line 1 claim 8 has been changed to -- claim 1 --.

Regarding claim 10, in lines 2-3, "a Tx PLL and a Rx PLL" has been changed to -  
- a transmitter phase locked-loop (Tx PLL) and a receiver phase locked-loop (Rx PLL) --

Regarding claim 15, in line 8, "a Tx PISO" has been changed to -- a transmit parallel-in-serial-out (Tx PISO) --; in line 9, "Tx PLL and an Rx PLL" has been changed

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to -- transmitter phase locked-loop (Tx PLL) and a receiver phase locked-loop (Rx PLL)

--.

Regarding claim 16, in line 2, "an Rx SIPO" has been changed to -- a receiver serial-in-parallel-out circuitry (Rx SIPO) --.

Regarding claim 19, in line 2, "an Rx SIPO" has been changed to -- a receiver serial-in-parallel-out circuitry (Rx SIPO) --.

### ***Response to Arguments***

4. Applicant's arguments, see Applicant's Remarks, filed on 07/13/2007, with respect to claims 1-5 have been fully considered and are persuasive. The rejection of claims 1-5 has been withdrawn.

### ***Reasons for Allowance***

The following is an examiner's statement of reasons for allowance:

5. Regarding claim 1, claim is allowable over prior art of record because the cited references taken individually or in combination cannot teach or suggest "at least one regulated power source and at least one unregulated power source, both coupled to selectively provide regulated and unregulated power to the first and second MGT circuitry" and "programmable logic for providing control signals to select and operatively couple the first and second MGT circuitry to one of the at least one regulated and

unregulated power sources" and "a selectable power regulator for the Rx SIPO circuitry".

6. Regarding claim 15, claim is allowable over prior art of record because the cited references taken individually or in combination cannot teach or suggest a power regulator within a programmable logic device (PLD) as set forth in the application claim.

7. Regarding claim 19, claim is allowable over prior art of record because the cited references taken individually or in combination cannot teach or suggest a method within a high data rate transceiver for converting between parallel data and serial data and for providing regulated power and unregulated power comprising the steps of "selectively providing regulated and unregulated power to circuitry for generating the transmitter and receiver clocks and to circuitry for converting the parallel data into serial data" and "selecting between regulated power and unregulated power and generating corresponding control signals to circuitry for generating the transmitter and receiver clocks and circuitry for converting the parallel data into serial data".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

### ***Conclusion***

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Khanh Tran whose telephone number is 571-272-3007. The examiner can normally be reached on Monday - Friday from 08:00 AM - 05:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Shuwang Liu can be reached on 571-272-3036. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KCT

*Khanh Cong Tran*  
KHANH C. TRAN  
PRIMARY EXAMINER

08/07/2007  
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